



Minimum Evaporating Temp. With:

- █ 25 °C Suction Gas Return
- █ Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW							
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	70.10	87.60	108.00	131.50	158.50	170.50	189.50	207.00
35.0	65.40	82.20	101.50	124.00	149.50	161.00	179.00	195.50
40.0	61.00	76.90	95.30	116.50	141.00	151.50	169.00	184.50
45.0	56.80	72.00	89.40	109.50	132.50	142.50	159.00	173.50
50.0		67.30	83.70	102.50	124.50	134.00	149.00	163.00
55.0		63.00	78.40	96.20	116.50	125.50	140.00	152.50
60.0			73.60	90.10	109.00	117.50	131.00	143.00
62.0			71.70	87.80	106.50	114.50	127.50	139.00

50 Hz

D8SH-500X

R22

Cond °C	Power, kW							
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	24.30	26.00	27.20	27.90	27.90	27.70	27.20	26.50
35.0	25.70	27.80	29.50	30.70	31.30	31.30	31.20	30.90
40.0	26.90	29.40	31.60	33.30	34.40	34.70	35.00	34.90
45.0	28.00	30.90	33.50	35.70	37.40	37.90	38.50	38.80
50.0		32.40	35.40	38.10	40.30	41.00	41.90	42.50
55.0		33.90	37.30	40.30	43.00	43.90	45.10	46.00
60.0			39.10	42.50	45.60	46.80	48.30	49.40
62.0			39.80	43.40	46.70	47.90	49.50	50.70

Cond °C	Current at 400 V, A							
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	54.29	56.42	58.01	58.90	58.93	58.67	57.94	57.01
35.0	55.96	58.68	60.93	62.55	63.38	63.46	63.26	62.80
40.0	57.52	60.83	63.73	66.07	67.70	68.11	68.45	68.44
45.0	59.02	62.89	66.44	69.50	71.91	72.66	73.52	73.97
50.0		64.91	69.10	72.87	76.06	77.14	78.52	79.42
55.0		66.92	71.74	76.21	80.17	81.58	83.47	84.82
60.0			74.38	79.55	84.28	86.01	88.41	90.21
62.0			75.45	80.89	85.92	87.79	90.39	92.37

Cond °C	Suction Mass Flow, g/s							
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	375.00	471.00	584.00	717.00	871.00	940.00	1052.00	1153.00
35.0	363.00	458.00	569.00	700.00	853.00	921.00	1031.00	1131.00
40.0	351.00	445.00	555.00	684.00	834.00	901.00	1010.00	1109.00
45.0	340.00	433.00	542.00	668.00	817.00	883.00	990.00	1088.00
50.0		422.00	529.00	654.00	800.00	865.00	971.00	1067.00
55.0		413.00	519.00	642.00	785.00	849.00	954.00	1049.00
60.0			511.00	632.00	773.00	836.00	939.00	1033.00
62.0			509.00	629.00	769.00	832.00	934.00	1027.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	8
Displacement @ 50 Hz, m ³ /h	151
Bore/Stroke, mm	68.3/59.2
Length/Width, mm	835/467
Height, mm	610
Net Weight, kg	326
Gross Weight, kg	347
Suction, inch	2 5/8
Discharge, inch	1 5/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	7.6
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF, POE MOBIL EAL Arctic 22 CC
Base mounting (hole dia), mm	457 x 305 (18)
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1810
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Maximum Operating Current, A	95.2
Locked Rotor Current, A	458
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
Deep Oil Sump	Mounted
Oil Pressure Switch	OPS2 Sensor

ACCESSORIES OPTIONAL

Unloaded start	Available
Crankcase Heater	200 W Internal
Enclosure Class	IP 56
Check Valve	For unloaded start operation
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Additional Cooling	70 W Vertical Air Flow Fan
Capacity Control	Capacity Steps 75/50%
Discharge Temperature Protection	Head PTC sensor
Oil Pressure Switch	OPS2 Electronic Switch

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
AWM	380-420 V / 3~ / 50 Hz	400	YYY	Y	1.00
EWL	220-240 V / 3~ / 50 Hz	230	Y/DELTA	DELTA	1.73
EWL	380-420 V / 3~ / 50 Hz	400		Y	1.00
EWM	380-420 V / 3~ / 50 Hz	400	Y/DELTA	DELTA	1.00
AWR	220-240 V / 3~ / 50 Hz	230	YYY	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YYY	Y	0.76
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	2.10
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.20
EWD	440-480 V / 3~ / 60 Hz	460	Y/DELTA	DELTA	1.00
AWC	208-230 V / 3~ / 60 Hz	230	YYY	Y	2.19
AWX	380 V / 3~ / 60 Hz	380	YYY	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00